ICP

IDAHO CLEANUP PROJECT

Presented by
Jim French
Vice President

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CH2M•WG
IDAHO, LLC

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SAFELY PLAN • MOTIVATE • DELIVER

Safety – A prerequisite for performance

CWI-Light Zone #2

Handrails

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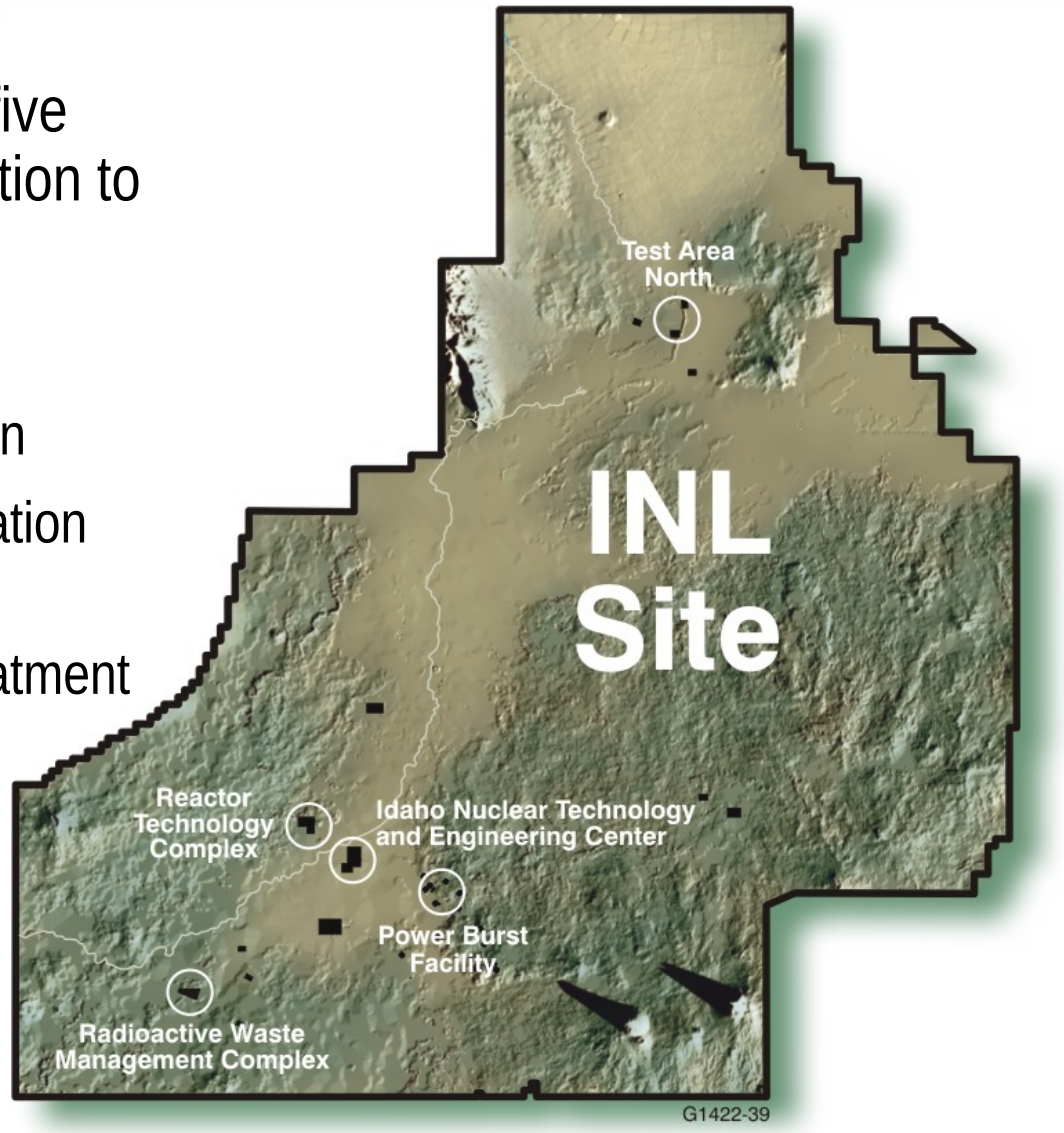
Idaho Cleanup Project

- Cleanup centered around five major project areas in addition to miscellaneous sites
- Scope includes
  - Nuclear material disposition
  - Spent nuclear fuel stabilization and storage
  - Sodium-bearing waste treatment and disposition
  - Waste management
  - Environmental restoration



Nuclear Material Disposition

Scope

- Dispose of all legacy, EM-owned, unirradiated special nuclear materials by September 30, 2009

Disposition nuclear material items

652 items

430 items

Spent Nuclear Fuel

Scope

- Transfer legacy, EM-owned spent nuclear fuel (SNF) from wet storage in the CPP-666 storage pool to appropriate dry storage by September 2009
- Receive and store SNF from the Advanced Test Reactor
- Provide safe, regulatory-compliant, routine operations for INTEC SNF handling and storage facilities until transition to another entity
- Fort St. Vrain
  - Perform surveillance and maintenance of facility
  - Provide security force for security of spent nuclear fuel at facility
- Return all navy-owned fuel to Naval Reactors Facility for long-term dry storage

Transfer SNF from wet to dry

3,278 units

1,545 units

Sodium-bearing waste

Scope

- Design Integrated Waste Treatment Unit (IWTU) ✓
- Construct IWTU (started nuclear concrete)
- Process sodium-bearing waste
- Ship to Waste Isolation Pilot Plant (WIPP)

Tank Farm Closure

Scope

- Progressively close tanks in tank farm (including those storing sodium bearing waste) by grouting
- Provide remedy indicated by record of decision for tank farm

Accomplishments

- Obtained 3116 Waste Determination
- Approved by Nuclear Regulatory Commission
- Grouted all available tanks

Close liquid waste tanks (grouting)

15 tanks

11 tanks

Tank Farm Grouting

Waste Management Services

Scope

- Transuranic waste
  - Retrieve remote-handled (RH) and contact-handled (CH) transuranic waste
  - Characterize RH and CH transuranic waste
  - Ship transuranic waste to the Waste Isolation Pilot Plant (WIPP)
- Low-level and low-level mixed waste
  - Provide waste management, packaging, and transportation services to Idaho National Lab and Idaho Cleanup Project
  - Dispose of low-level waste at the RWMC (until 2008)
  - Provide offsite disposal of low-level and mixed low-level waste
  - Operate the Idaho CERCLA Disposal Facility (ICDF)
  - Repack, treat, and/or dispose of the backlog mixed low-level waste

Accomplishments

- Shipped first-ever remote-handled transuranic waste to the Waste Isolation Pilot Plant (ramped up to six shipments per week)
- Shipped 65 shipments to date
- Disposed of 19,143 m3 of low-level and mixed low-level waste

Environmental Restoration

Scope

- Retrieve targeted waste from approximately 2.8 acres of the Subsurface Disposal Area
- Remediate 118 contaminated environmental sites
- Close 68 hazardous waste tank systems
- Close 550 unnecessary monitoring wells
- Conduct sitewide groundwater monitoring

Accomplishments

- Retrieved 9,377 cubic yards of targeted waste from the Subsurface Disposal Area
- Remediated 66 contaminated sites
- Closed 53 hazardous waste tank systems
- Closed 200 wells

Facility D&D

Scope

- Demolish or otherwise disposition facilities and structures
  - 73 industrial
  - 22 radiological (moderately contaminated)
  - 25 nuclear facilities (reactor vessels, spent nuclear fuel basins, fuel reprocessing and handling facilities)
  - 115 other structures

Accomplishments

- 10 industrial
- 9 radiological
- 2 nuclear including Loss of Fluid Test reactor
- 55 other
- Near completion of Engineering Test Reactor and Test Area North

ETR bioshield blast and building collapse

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Summary

- ICP is on schedule and on budget
- ICP performance in
  - Safety
  - Risk reduction/protection of the Snake River Plain Aquifer
  - Delivering what we promised (and more)
  - Partnering with stakeholders from special interest groups to regulators
  - Corporate citizenship

will enable our success and support INL's goal for nuclear energy leadership